

# MATERIAL SAFETY DATA SHEET

MSDS# 0021  
Absorbine Veterinary Liniment

**W. F. YOUNG, INC.**  
302 Benton Drive  
East Longmeadow, MA 01028

**Non-Emergency Telephone:**  
(413) 526-9999

## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

**PRODUCT NAME:** Absorbine Veterinary Liniment  
**PRODUCT DESCRIPTION:** Herbal Liniment Solution

**Formula:** 213237

**MEDICAL EMERGENCY TELEPHONE (Poison Center):** (303) 623-5716  
**TRANSPORTATION EMERGENCY TELEPHONE (Chemtrec):** 1-800-424-9300

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS (Typical Values)

HAZARDOUS INGREDIENTS	CAS NO.	WT.%	ACGIH(TLV)	OSHA(PEL)
Acetone	67-64-1	65-75	750 ppm(8 hr)	1000ppm(8hr)
Iodine	7553-56-2	<0.05		0.1ppm (8hr)

### OTHER IMPORTANT INGREDIENTS

Potassium Iodide	7681-11-0			
Menthol		1.267%	n/a	n/a
Thymol	89-83-8			
Chloroxylenol	88-04-0	0.500%	n/a	n/a

## SECTION 3: HAZARDS IDENTIFICATION

### Signs and Symptoms of Exposure

Prolonged exposure to excessive concentrations may result in irritation of mucous membranes, headaches, drowsiness, fatigue, and narcosis.

**Routes of Entry:** Inhalation? Skin? Ingestion?  
Yes Yes Yes

**Health Hazards (Acute and Chronic)** The Health effects noted below are consistent with requirements under OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### EYE CONTACT:

Liquid is severely irritating to the eyes. High vapor concentrations are also irritating.

#### SKIN CONTACT:

Liquid is mildly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

#### INHALATION:

High vapor concentration may produce CNS depression.

#### INGESTION:

May produce CNS depression.

**Carcinogenicity:** NTP? No IARC Monograph? No OSHA Monograph? No

### Medical Conditions Generally Aggravated by Exposure:

Pre-existing eye and skin disorders may be aggravated by exposure to acetone.

#### SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:**

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

**SKIN CONTACT:**

Flush skin with water. If irritation occurs, get medical attention.

**INHALATION:**

Remove victim to fresh air, treat symptomatically. Get medical attention if symptoms persist.

**INGESTION:**

Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30cc (2 Tablespoons) Syrup of Ipecac.\* If Ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get medical attention.

**NOTE TO PHYSICIAN**

\*If victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) Syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

#### SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Method Used)	Flammable Limits	LEL	UEL
20 F (-7 C) (TOC)	N/E	N/E	N/E

**Extinguishing Media**

Use CO<sub>2</sub> or dry chemical for small fires. Alcohol type aqueous filmforming foam or water spray for large fires. Water may be ineffective but should be used to cool fire exposed structures and vessels.

**Special Fire Fighting Procedures**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Water spray can be used to reduce intensity of flames and to dilute spills to nonflammable mixture.

**Unusual Fire and Explosion Hazards**

Vapors from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at location distant from handling point. Vapors are heavier than air.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES & DISPOSAL

**Spill Control Methods**

Eliminate ignition sources. Avoid eye or skin contact. Place leaking containers in well-ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapors. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, flush area sparingly with water or use an absorbent. Avoid runoff into storm sewers and ditches which lead to natural waterways. Call the National Response Center (800-424-8802) if spill is equal to or greater than reportable quantity (5000 lb/day) under "Superfund". All clean-up and disposal should be carried out in accordance with Federal, State, and Local Regulations. If required, state and local authorities should be notified.

**Waste Disposal Methods**

This product, when spilled or disposed of, is a hazardous waste as defined in Resource Conservation Recovery Act regulations (40 CFR 261). Preferred method is incineration or biological treatment in federal/state approved facility.

## SECTION 7: HANDLING & STORAGE

### Precautions To Be Taken In Handling & Storing

Store away from oxidizing agents; keep away from heat or ignition sources; use adequate ventilation.

### Other Precautions

Keep container closed. Ground containers when empty. Do not store or consume food, drink, or tobacco in area where they may become contaminated with this material.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### Respirator Protection

Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits (Section 2) use a NIOSH-APPROVED respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

### Ventilation

Local exhaust - Recommend at least 10 changes per hour.

### Skin and Eye Protection:

Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact with eyes.

Avoid prolonged or repeated contact with skin.

### Other Protective Clothing or Equipment:

Eye wash; safety showers; wash after handling

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	133 F (56 C)
MELTING POINT:	NA
VAPOR PRESSURE:	185.5 mm Hg @ 60F
VAPOR DENSITY (AIR=1):	2.0 (AIR=1)
EVAPORATION RATE:	(butyl acetate = 1) 6
VOLATILE FRACTION BY WEIGHT:	73%
SOLUBILITY IN WATER (By weight %):	100%
SPECIFIC GRAVITY (H <sub>2</sub> O=1) @ 25 C:	0.888
pH:	3.5
APPEARANCE:	Clear, green liquid
ODOR:	Sharp, herbal odor

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable

**Incompatibility (Materials to avoid):** Avoid heat, sparks, and flame. Oxidizing materials can cause a vigorous reaction

**Hazardous Decomposition or By-Products:** Carbon monoxide and Carbon dioxide

**Hazardous Polymerization:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Oral LD50:</b>	12750 mg/kg (rats)
<b>Dermal LD50:</b>	>2000 mg/kg
<b>Inhalation LC50:</b>	>22.0 mg/liter of air
<b>Eye effects:</b>	Produces ocular damage in the form of erythema chemosis, iritis, mucoid discharge, and corneal opacity.
<b>Skin effects:</b>	Is not a skin irritant either primary or secondary and does not cause skin fatigue or sensitization

### SECTION 12: ECOLOGICAL INFORMATION

Avoid runoff into storm sewers and ditches which lead to natural waterways.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** This product is a hazardous solid waster as defined in Resource Conservation Recovery Act Regulations (40 CFR 261). Preferred method is incineration or biological treatment in federal/state approved facility.

### SECTION 14: TRANSPORTATION INFORMATION

#### DOT, IMO, ICAO, Transport Canada

	<u>North America</u>	<u>North America &amp; Ocean &gt; 32 oz.</u>	<u>Overseas by ocean &lt; 32 oz</u>
HAZARD CLASS:	ORM-D	3	3
PROPER SHIPPING NAME:	Consumer Commodity	ACETONE SOLUTION	ACETONE SOLUTION in LIMITED QUANTITIES, Class 3, PG II
UN NUMBER:	None	UN1090	UN1090
LABEL:	None	Flammable Liquids 3	ACETONE SOLUTION in LIMITED QUANTITIES, Class 3, PG II
PACKING GROUP:		II	II
PLACARD:		Over 1000# Flammable Liquid 3	
FLASH POINT:	20 F (-7C)	20 F (-7C)	20 F (-7C)

#### NFPA

HEALTH..... 1  
 FLAMMABILITY..... 3  
 REACTIVITY..... 0  
 SPECIAL..... None

4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant

### SECTION 15: REGULATORY INFORMATION

#### U.S. FEDERAL REGULATION

**OSHA:** Subpart Z

**TSCA:** EPA, Section 313 Table II

**CERCLA HAZARDOUS SUBSTANCE (40 CFR 302):** Reportable quantity, sec 302. RECRA Waste No. U002 5000 lbs (2270)

**SARA Title III:** Threshold planning quantity, sec.302

**SARA Hazard Categories:** H-1 Immediate health hazard; H-2 Delayed health hazard; P-3 Fire Hazard

CHEMICAL SUBSTANCE	CAS NO.	CONCENTRATION % WT.
<i>Acetone</i>	<i>67-64-1</i>	<i>65 -75</i>
<b>LISTED UNDER THE FOLLOWING: FEDERAL REGULATIONS; STATE REGULATIONS; INTERNATIONAL REGULATIONS</b>		
SARA TITLE III; California Proposition 65; EINECS; Florida; Rhode Island; Mass TURA; New Jersey		

### SECTION 16: OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best of the knowledge of W.F.Young, Inc. The data on this sheet relates only to the specific material designed herein and does not relate to use in combination with any other material or in any process. W.F.Young,

Inc. assumes no legal responsibility for use or reliance upon this data. This information herein is provided solely for your consideration, investigation, and verification.